

Date: Mon, 4 Oct 93 04:30:17 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V93 #62
To: Ham-Equip

Ham-Equip Digest Mon, 4 Oct 93 Volume 93 : Issue 62

Today's Topics:

 Butterworth Filters
 help wanted: C78 FM tcvr
 Lack of Support from Icom??? (3 msgs)
 WANTED: HW8 and HW9
 WWV clock wanted

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 02 Oct 93 19:54:24 CDT
From: sdd.hp.com!spool.mu.edu!agate!iat.holonet.net!vulcan!gary@network.ucsd.edu
Subject: Butterworth Filters
To: ham-equip@ucsd.edu

ilikecpu@nevada.edu (BARRIE HIERN) writes:

>
> Hello all,
>
> Are there any electronic math wizards out there that can help me find an
> equation that when given the number of elements N, a cutoff freq., and
> the source and load Z's the equation will determine the L and C values
> for a low pass Butterworth Filter ????

>
> Any and all information regarding Butterworth mathematics will be appreciated
>
> Thanks,

> Barrie
>

Unfortunately, there isn't a single equation, as far as I know. This is a multi-step process. There are a number of good programs on the market that do this...but if you are interested in the math, a fairly modern reference that I recommend is:

Electrical Networks and Filters

author = G. H. Tomlinson

publisher = Prentice Hall

ISBN 0-13-248261-4

Generally, one transforms the problem into a low-pass filter, then finds the poles, then transforms the problem back to a bandpass or highpass (if needed), then does impedance scaling, and then synthesizes the required network to implement the desired transfer function.

Good Luck

--

Gary Tennyson BellSouth Telecommunications, Inc.

Internet: gary@vulcan.com

Date: 4 Oct 1993 03:54:58 GMT

From: dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-state.edu!caen!
usenet.cis.ufl.edu!usenet.ufl.edu!pine.circa.ufl.edu!JESORKA@network.ucsd.edu

Subject: help wanted: C78 FM tcvr

To: ham-equip@ucsd.edu

hi! i've got a standard C78 (440 MHz mobile FM rig) and want to change the pre-set 20 khz channel step (japanese setting) to 5 khz. could someone help me with schematics, service manual or any other useful information? thanks, 73 de aldo kd4ylu (jesorka@pine.circa.ufl.edu)

Date: 3 Oct 93 15:59:24 GMT

From: ogicse!uwm.edu!wupost!csus.edu!netcom.com!decastro@network.ucsd.edu

Subject: Lack of Support from Icom???

To: ham-equip@ucsd.edu

system@hades.cdp.org (Tony Pelliccio) writes:

>A friend of mine recently had the control head for her Icom IC-900

>stolen. She tried to call Icom for a replacement part. After all, it's
>only been two years since they stopped making the radio.

>I can't believe the response she got. Icom actually ENCOURAGED insurance
>fraud by offering here a 'good price' on an entire IC-901 since they
>cannot locate a replacement head. This is very poor.

This is not insurance fraud. A key component of the radio, one which the
manufactuer no longer has available, has been stolen. She had insurance so
that if she lost use of the radio, it would be restored. If the manufacturer
or the insurance company cannot replace the missing piece, she should have
the functionality restored.

FWIW, I have always found ICOM to be fair and resonable in their dealings.

--

=====
decastro@netcom.com

Richard A. De Castro

Date: Sun, 3 Oct 1993 18:38:14 GMT
From: news.service.uci.edu!paris.ics.uci.edu!csulb.edu!library.ucla.edu!agate!
usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!csn!teal.csn.org!
dfeldman@network.ucsd.edu
Subject: Lack of Support from Icom???
To: ham-equip@ucsd.edu

In article <decastroCEBwF1.8Bz@netcom.com> decastro@netcom.com (Richard A. De
Castro) writes:

>>I can't believe the response she got. Icom actually ENCOURAGED insurance
>>fraud by offering here a 'good price' on an entire IC-901 since they
>>cannot locate a replacement head. This is very poor.

>

>This is not insurance fraud. A key component of the radio, one which the
>manufactuer no longer has available, has been stolen. She had insurance so

After a burglary at home a few years ago where one of my two Klipsch speakers
was taken (they are big & heavy), the ins. co supplied the cost of a new pair,
leaving me with an orphan which I donated elsewhere. They must figure all of
this into their rates. In this case the speaker co. would gladly have sold
just one spkr, but the ins. co replaces both to avoid minor 'differences'.

73!

Date: Sun, 3 Oct 1993 19:15:15 EST
From: paperboy.ids.net!anomaly.sbs.com!kd1nr!system@uunet.uu.net
Subject: Lack of Support from Icom???
To: ham-equip@ucsd.edu

jangus@skyld.tele.com (Jeffrey D. Angus) writes:

>
> In article <930928.193616.6g6.rusnews.w165w@hades.cdp.org> system@hades.cdp.o
> rg writes:
>
> > A friend of mine recently had the control head for her Icom IC-900
> > stolen. She tried to call Icom for a replacement part. After all, it's
> > only been two years since they stopped making the radio.
> >
> > I can't believe the response she got. Icom actually ENCOURAGED insurance
> > fraud by offering here a 'good price' on an entire IC-901 since they
> > cannot locate a replacement head. This is very poor.
> >
>
> They could have just said, "too bad, no longer stocked" and hung up.
> How is it fraud? If they don't have the part, then the radio is no
> longer repairable and requires replacement.

Ummm.. no they can't. They're required to stock parts for a number of
years AFTER the radio was last manufactured. And they ARE advocating
insurance fraud.

>
> Most insurance companies will not pay for parts located anywhere other
> than dealer or dealer authorized locations. Regardless of the "avail-
> ability" of the parts on the used or swap markets.

Right.. so that's why she went directly to ICOM. I'll tell you one
thing, I will NEVER buy an ICOM product.

Tony

o o Tony Pelliccio, KD1NR, Control Op 441.750+, ARRL VE
 \ / system @ hades.cdp.org Soon W5YI VE
 //
 (oo) Cow humor. Sort of like the Far Side.
 /| _/_/ _
 / | {MTV} || MooTV - Rockin' Bumpin' and Funkin' into the 90's
 * || { } ||
 ||-----|| (And people thought my last .sig was long, ha!)

^^

^^

Date: 3 Oct 1993 18:44:03 -0400
From: news!clarknet.clark.net!clarknet.clark.net!postmaster@uunet.uu.net
Subject: WANTED: HW8 and HW9
To: ham-equip@ucsd.edu

Wanted - clean, unmodified or modified with complete mod
documentation/history Heath HW-8 AND HW-9 qrp transceivers.
Send info/offers to :

John A. Evans, Capt, USAF
VHDL/EDA Engineer

"My number one goal as a
runner is to live long enough
to place in my age group!!!"

HAM Callsign under construction x3xxx
(No-code Technician Test completed 5 Sep 93 - code to follow)

jaevans@clark.net

Linux - the OS of choice !!

Once data encryption is outlawed, only outlaws will have data encryption !!!

Date: 4 Oct 1993 05:00:21 GMT
From: dog.ee.lbl.gov!agate!spool.mu.edu!umn.edu!gaia.ucsc.orst.edu!
skyking.oce.orst.edu!stanley@network.ucsd.edu
Subject: WWV clock wanted
To: ham-equip@ucsd.edu

In article <28koeu\$jql@darkstar.ucsc.edu>,
Darrell Long <darrell@cse.ucsc.edu> wrote:

>At one time Heathkit (which I understand is demised, if not and you have
>their number send it tome) sold a "Most Accurate Clock" which was as WWV
>receiver with RS-232 output. I need to get something like that for a
>research project I am working on.

>

>Radio Shack is no help (blank stares mostly), nothing in Edmund Scientific,
>etc... I'll drive over to Quement today to see if they have anything.

>

>If you know where I could find such a thing, please drop me a note.

Odetics, Precision Time Division, Anaheim CA. Model UTS-10.

End of Ham-Equip Digest V93 #62
